

What is claimed is:

1. An optical pickup device comprising:

a blade in which an objective lens is mounted;

a plurality of wires to elastically and movably support the blade with respect to a holder formed on a base;

driving coils installed in or on the blade and forming an electrical path to drive the objective lens along a focusing direction and a tracking direction; and

a magnet which is installed in the base and generates an electromagnetic force due to currents flowing through the driving coils to move the objective lens;

wherein the blade includes a first blade portion in which the objective lens is mounted, and a second blade portion in which the driving coils are mounted,

wherein a thermal conductivity coefficient of the first blade portion is lower than that of the second blade portion.

2. The optical pickup device of claim 1, wherein the first blade portion is made of a reinforced plastics material and the second blade portion is made of a magnesium alloy material.

3. The optical pickup device of claim 2, wherein the first blade portion is combined with a combining unit included in the second blade portion by

mounting the second blade portion in a die, injecting the die with the reinforced plastics material, and injection molding the die.

4. The optical pickup device of claim 3, wherein the combining unit has a protrusion extending from the second blade portion toward the first blade, and a combining hole formed in the protrusion to be filled with the reinforced plastics material.

5. An optical pickup device comprising:
a holder; and
a blade comprising:
a first blade portion in which an objective lens is positioned therein;
and
a second blade portion having driving coils mounted thereon,
wherein a thermal conductivity coefficient of the first blade portion is lower than that of the second blade portion.

6. The optical pickup of claim 5, wherein the first blade portion is made of a reinforced plastics material and the second blade portion is made of a magnesium alloy material.

7. The optical pickup of claim 6, further comprising a combining unit positioned at each of two ends of the second blade portion to integrally hold the first blade portion thereto.

8. The optical pickup of claim 7, wherein the combining unit comprises:
a protrusion extending from the second blade portion towards the first blade portion; and

a combining hole formed in the protrusion in which the first blade portion engages to be integrally held by the second blade portion.

9. An optical pickup device comprising:
a holder; and
a hybrid-type blade movable with respect to the holder and integrally combining a first blade portion and a second blade portion made of two materials with different thermal conductive coefficients.

10. The optical pickup device of claim 9, further comprising:
an objective lens mounted to the first blade portion; and
driving coils mounted to the second blade portion to drive the objective lens

relative to the holder.

11. The optical pickup device of claim 9, wherein:
the first blade portion a lower thermal conductivity coefficient than that of
the second blade portion.

12. The optical pickup device of claim 10, wherein:
the first blade portion a lower thermal conductivity coefficient than that of
the second blade portion.

13. The optical pickup device of claim 11, wherein:
the first blade portion is made of a reinforced plastic material.

14. The optical pickup device of claim 12, wherein:
the first blade portion is made of a reinforced plastic material.

15. The optical pickup device of claim 13, wherein the reinforced plastic
material is a vectra material in which a glass fiber of about 30% has been added.

16. The optical pickup device of claim 14, wherein the reinforced plastic

Docket No. 1293.1771

material is a vectra material in which a glass fiber of about 30% has been added.